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TITLE : MANUFACTURE OF HIGH-PURITY ACID-TYPE CELLULOSE DERIVATIVE

ABSTRACT : PURPOSE: To produce a high-purity acid-type cellulose derivative, by arranging a solution of an anionic cellulose derivative in a solvent on the cathode side of the electrodes and an ion-exchange membrane or an ultrafiltration membrane as diaphragm thereby converting the cellulose into an acid-type.

CONSTITUTION: An anionic cellulose derivative is dispersed into a solvent thereby allowing it to swell or dissolve. Thereafter it is arranged on the cathode side or, preferably, on both sides of the electrodes, and an ion-exchange membrane or an ultrafiltration membrane is arranged as diaphragm, thereby producing the aimed cellulose derivative of an acid-type. As the applicable anionic cellulose derivative, carboxymethylcellulose, sulfoethylcellulose, carboxymethylhydroxyethylcellulose, or the like can be mentioned. As the solvent, water or a mixed solvent of water and an organic solvent, or the like can be mentioned. As the organic solvent which is used together with water, 3C or lower alcohols, lower ketones, etc., can be mentioned.

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